ATTY DOCKET APPLICATIO. US Dept. of Commerce Form PTO-1449 09/430,289 100497.02 PATENT & TRADEMARK OFFICE (REV. 8-83) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) APPLICANT(S) Keith R. D'ALESSIO et al. **GROUP** FILING DATE October 29, 1999 U.S. PATENT DOCUMENTS SUB **EXAMINER CLASS CLASS** DATE NAME DOCUMENT NUMBER INITIAL 26 528 JOYNER et al. 10/25/1955 2,721,858 $^{2}3^{7}$ 10/29/1957 **JOFFRE** 2,811,468 NA 38 558 HAWKINS et al. 5/31/1966 MA 3,254,111 222 10 8/11/1970 COLVIN et al. JAN 3 1 2000 3,523,628 4 206 WINTER 8/18/1970 3,524,537 52/2 428 QUINN et al. 1/12/1970 84 3,554,990 256 4/11/1972 YOUNG 156 3,655,480 M 484.2 WREDE 9/18/1973 206 3,759,379 1/21/1975 DIXON et al. M 3,862,284 **MOTTUS** 1/28/1975 M 3,863,014 GREENFIELD et al. 3/11/1975 814 3,870,146 **OVERHULTS** 2/24/1976 3,940,362 М KRONENTHAL 12/7/1976 M 3,995,641 426 ns 4/4/1978 YAMADA et al. 4,082,854 FOREIGN PATENT DOCUMENTS **SUB CLASS** CLASS DATE COUNTRY DOCUMENT NUMBER 4/18/1991 Germany 84 (ABS 3,933,874 9/24/1992 Germany 4,109,105 71 (ABS 12/22/1994 Germany 4,320,388 PM PAGS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) "Barrier and Surface Enhancement for Plastics," Fluoro-Seal Product Literature, Fluoro-Seal, Inc. (date unknown). M ASTM D 1248-84, "Standard Specification for Polyethylene Plastics Molding and Extrusiuon Materials," January 1989. M DATE CONSIDERED **EXAMINER**

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	U.S	S. PAT	ENT DOCU	JMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME		CLASS	SUB CLASS
874	4,127,382	11/2	28/1978	PERRY		8	181
87+	4,199,915	4/2	9/1980	LEVINE		53	401
877	4,217,161	8/1:	2/1980	YAMADA et al.		156	242
87.7	4,224,367	9/2:	3/1980	SCHOLLE	EN	428	76
87+	4,256,231	3/1	7/1981	CIOC et al.	1 2000	# 215	12.5
814	4,284,671	8/1	8/1981	CANCIO et al.	د	5 /428	36.6
84	4,291,131	9/2	2/1981	McINTIRE et al.	TRADEMA	524	321
81+	4,295,563	10/	20/1981	BECKER et al.		206	205
84	4,309,465	1/5	/1982	KORNBAUM		428	36.6
84	4,313,865	2/2	/1982	TERAMOTO et al.		524	753
81+	4,336,015	6/2	2/1982	RAINVILLE		425	74_
84	4,353,763	10/	12/1982	SIMON		156	184
84	4,355,721	10/	26/1982	KNOT, II et al.		206	524,2
81+	4,364,876	12/	21/1982	KIMURA et al.		558	443
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	DOCUMENT NUMBER		DATE	COUNTRY		CLASS	SUB CLASS,
871 (ABS)	341,533	11/	15/1989	Europe			
84 (MBS)	628,488	12/	14/1994	Europe			
SU (ABS)	2,637,576		3/1990	France			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS CLASS		
814	4,394,333	7/19/1983	FUKUSHIMA et al.	2643		
817	4,396,567	8/2/1983	RAINVILLE	264 83		
84	4,414,230	11/8/1983	HANABATA et al.	426 106		
811	4,424,242	1/3/1984	BARBEE	728 35		
P43	4,424,256	1/3/1984	CHRISTENSEN et al.	428 347		
811	4,426,347	1/17/1984	CORNELL et al.	261 294		
कार	4,482,586	11/13/1984	SMITH et al.	428 35		
811	4,489,859	12/25/1984	VOM HOFE et al.	222 183		
න 1	4,497,856	2/5/1985	IWASAWA et al.	428 36.4		
817	4,514,446	4/30/1985	KADONO et al.	428 35,3		
871	4,526,821	7/2/1985	McHENRY et al.	428 36.7		
874	4,533,576	8/6/1985	TANAHASHI et al.	428 220		
879	4,552,791	11/12/1985	HAHN	428 35.7		
841	4,560,723	12/24/1985	MILLET et al.	524 486		
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUB CLASS,		
814	2,277,476	11/2/1994	Great Britain			
814	3-162252	7/12/1991	Japan			
87+(A3S)	63-210142	8/31/1988	Japan			
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M	4,560,741	12/24/1985	DAVIS et al.	528	302	
877	4,573,854	3/4/1986	McFARLAND	414	462	
814	4,617,077	10/14/1986	GIESE et al.	156	245	
84	4,643,924	2/17/1987	UKEN et al.	428	35.7	
84	4,657,133	4/14/1987	KOMATSU et al.	206	204	
877	4,659,408	4/21/1987	REDDING	156	461	
84	4,663,426	5/5/1987	WICKER, Jr. et al.	528	190	
87	4,683,702	8/4/1987	VIS	5 3	433	
84	4,685,591	8/11/1987	SCHAEFER et al.	8 33	107	
84	4,698,247	10/6/1987	MURRAY et al.	428	35.5	
81+	4,701,290	10/20/1987	ESCHWEY et al.	264	<u> </u>	
87+	4,705,708	11/10/1987	BRIGGS et al.	428	36.7	
87	4,713,266	12/15/1987	HASEGAWA et al.	427	412,5	
81+	4,713,270	12/15/1987	JABARIN et al.	428	36.6	
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877	4,71	3,296	12/15/1987	AOYAMA et al.		428	412
871	4,720	0,513	1/19/1988	KAMEYAMA et al.	_	523	203
874	4,72	4,177	2/9/1988	RUSSO		428	36.6
874	4,72	8,549	3/1/1988	SHIMIZU et al.		428	36.6
81+	4,73	0,726	3/15/1988	HOLZWARTH		206	204
874	4,73	1,266	3/15/1988	BONNEBAT et al.		428	36.16
84	4,73	1,268	3/15/1988	MURRAY, Jr. et al.		428	35,2
81+	4,75	2,428	6/21/1988	WILLIAMS et al.		264	8.3
84.	4,75	6,422	7/12/1988	KRISTEN		206	524.8
817	4,76	4,405	8/16/1988	BAUMAN et al.		428	36.6
874	4,77	7,085	10/11/1988	MURRAY, Jr. et al.		428	353
877	4,80	9,876	3/7/1989	TOMASWICK et al.		220	62.12
8H	4,83	0,810	5/16/1989	UFER et al.		264	40.1
94	4,86	9,859	9/26/1989	ESCHWEY et al.		264	83
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS
874	4,880,675	11/14/1989	МЕНТА	428	35,7
814	4,894,267	1/16/1990	BETTLE, III et al.	428	36.7
824	4,948,641	8/14/1990	SHANTZ et al.	428	35,7
87+	4,948,642	8/14/1990	SHANTZ et al.	428	35.7
874	4,960,639	10/2/1990	ODA et al.	428	34,5
84	4,977,004	12/11/1990	BETTLE, III et al.	428	36.7
877	4,999,229	3/12/1991	MORITANI et al.	428	36.6
. 84	5,016,784	5/21/1991	BATSON	222	386
814	5,039,565	8/13/1991	DEYRUP	428	35,7
84	5,073,231	12/17/1991	ESCHWEY et al.	156	58'
8/4	5,085,904	2/4/1992	DEAK et al.	428	35.7
871	5,094,806	3/10/1992	LAUGHNER	264	523
814	5,129,519	7/14/1992	DAVID et al.	206	523
84	5,147,724	9/15/1992	ESCHWEY et al.	428	409
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874	5,185,189	2/9/	1993	STENGER et al.		428	34.8
874	5,186,991	2/16	5/1993	SAMUEL et al.		428	35.8
814	5,213,734	5/25	5/1993	MASSON et al.		264	83
P14	5,244,615	9/14	1/1993	HOBBS		264	8.3
81+	5,246,751	9/21	1/1993	WHITE et al.		428	35.4
84	5,257,491	11/2	2/1993	ROUYER et al.		53	428
87+	5,259,835	11/9	9/1993	CLARK et al.		602	48
07	5,292,466	3/8/	1994	VAN BONN et al.		264	83
87+	5,328,687	7/12	2/1994	LEUNG et al.		424	78,35
p)	5,362,531	11/8	8/1994	SAMUEL et al.		428	36.6
87+	5,401,451	3/28	8/1995	MEIXNER et al.		264	83
817	5,405,880	4/1	1/1995	KIMURA et al.		523	126
87 -1	5,433,984	7/18	8/1995	ILENDA et al.		428	36.6
87+	5,439,953	8/8/	/1995	RITTER et al.		524	47
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS
84	5,447,667	9/5/1995	MASSON		264	83
84	5,512,337	4/30/1996	LITTMANN et al.		428	35.4
874	5,514,371	5/7/1996	LEUNG et al.		424	78.35
84	5,514,372	5/7/1996	LEUNG et al.		424	78.35
84	5,518,792	5/21/1996	MASUDA et al.		428	36.6
874	5,565,160	10/15/1996	MAKUUCHI et al.		264	485
84	5,567,371	10/22/1996	KARSCH		264	83
81+	5,573,819	11/12/1996	NUGENT, Jr. et al.		428	34.8
814	5,575,997	11/19/1996	LEUNG et al.		424	78:35
814	5,582,834	12/10/1996	LEUNG et al.		424	426
81+	5,604,042	2/18/1997	BIANCHINI et al.		428	507
87+	5,624,669	4/29/1997	LEUNG et al.		424	78.35
87	5,629,059	5/13/1997	DESAI et al.		428	34.9
MA	5,637,365	6/10/1997	CARLBLOM		428	35.4
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874	5,651,460	7/29/1997	FOERDERER	206 447		
877	5,654,054	8/5/1997	TROPSHA et al.	428 36.6		
84	5,679,145	10/21/1997	ANDERSEN et al.	106 162.5		
814	5,679,287	10/21/1997	MAZAC et al.	252 399		
mt	5,681,629	10/28/1997	WOUTERS et al.	428 36-6		
P14	5,683,772	11/4/1997	DERRIEU et al.	428 36.4		
MŁ	5,691,016	11/25/1997	HOBBS	428 35.7		
84	5,693,283	12/2/1997	FEHN	264 513		
87+	5,709,827	1/20/1998	ANDERSEN et al.	264 42		
PV	5,716,715	2/10/1998	DEGRASSI et al.	428 475,8		
PA	5,721,027	2/24/1998	FRISK et al.	428 35.4		
P4	5,725,715	3/10/1998	MAKUUCHI et al.	156 2 5.5		
84	5,730,919	3/24/1998	WILFONG et al.	264 173-11		
P4	5,741,566	4/21/1998	HOGSTROM et al.	428 35.2		
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PH	5,743,401	4/28/1998	TAKAHASHI	206 447
pH	5,770,135	6/23/1998	HOBBS et al.	264 83
81+	5,804,744	9/8/1998	TAN et al.	73 864.34
PH	5,827,587	10/27/1998	FUKUSHI	428 36.6
87+	5,855,977	1/5/1999	FUKUSHI et al.	422 131
PH	5,928,611	7/27/1999	LEUNG	422 131
814	Re. 34,537	2/8/1994	DEYRUP	428 35.7
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	
84	2,721,858	10/25/1955	JOYNER et al.		528	267	
874	2,811,468	10/29/1957	JOFFRE	F 1 T 7 F 3	-42	23)	
87+	3,254,111	5/31/1966	HAWKINS et al.	J u	558	38/	
SH	3,523,628	8/11/1970	COLVIN et al.	NOV	3-220	107	
87+	3,524,537	8/18/1970	WINTER		-1206	747	
84	3,554,990	1/12/1970	QUINN et al.		42.8	522	
SH	3,655,480	4/11/1972	YOUNG		156	256	
874	3,759,379	9/18/1973	WREDE		206	484.2	
874	3,862,284	1/21/1975	DIXON et al.		264	83	
S1+	3,863,014	1/28/1975	MOTTUS		426	106	
PH	3,870,146	3/11/1975	GREENFIELD et al.		206	524	
824	3,940,362	2/24/1976	OVERHULTS		523	116	
81+	3,995,641	12/7/1976	KRONENTHAL		606	214	
877	4,082,854	4/4/1978	YAMADA et al.		426	106	
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(HLARS)	3,933,874	4/18/1991	Germany				
SH (ARS)	4,109,105	9/24/1992	Germany				
1H(ADS)	4,320,388	12/22/1994	Germany		<u> </u>		
			r, Title, Date, Pertinent Pages, etc.)				
874	"Barrier and Surface Enhancement for	Plastics," Flu	oro-Seal Product Literature, Fluor	o-Seal, Inc.	. (date unkno	own). 	
84	ASTM D 1248-84, "Standard Specific	ation for Poly	ethylene Plastics Molding and Ext	rusiuon Ma	aterials," Jan	uary 1989.	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	
877	4,127,382	11/28/1978	PERRY		8	181	
NA	4,199,915	4/29/1980	LEVINE		53	401	
874	4,217,161	8/12/1980	YAMADA et al.	- F3.	156	242	
874	4,224,367	9/23/1980	SCHOLLE U	· \:\-\(\psi\) .	428	76	
84	4,256,231	3/17/1981	CIOC et al.	CV 1	3 200	12.2	
874	4,284,671	8/18/1981	CANCIO et al.	· 6	428	36-6	
PH.	4,291,131	9/22/1981	McINTIRE et al.	- 	524	321	
nt	4,295,563	10/20/1981	BECKER et al.		2.06	205	
874	4,309,465	1/5/1982	KORNBAUM		428	36.6	
RY	4,313,865	2/2/1982	TERAMOTO et al.		524	753	
87+	4,336,015	6/22/1982	RAINVILLE		425	7	
814	4,353,763	10/12/1982	SIMON		156	184	
n+	4,355,721	10/26/1982	KNOT, Il et al.		206	524.2	
84	4,364,876	12/21/1982	KIMURA et al.		558	443	
	FOREIG	N PATENT D	OCUMENTS				
	DOCUMENT NUMBER	DATE	COUNTRY	·	CLASS	SUB CLASS	
PH(ABS)	341,533	11/15/1989	Europe				
M(ABS)	628,488	12/14/1994	Europe				
M(Aos)	2,637,576	4/13/1990	France				
	OTHER DOCUMENTS (Inclu	uding Author,	Title, Date, Pertinent Pages, etc.)	· · · · · · · · · · · · · · · · · · ·			
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	South L.			<u>' 1)</u>	102		
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EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME			CLASS	SUB CLASS
8H	4,394,333	7/1	9/1983	FUKUSHIMA et al.			264	37
574	4,396,567	8/2	/1983	RAINVILLE			264	83
87+	4,414,230	11/	8/1983	HANABATA et al.			426	106
84	4,424,242	1/3.	/1984	BARBEE	•		428	35
87+	4,424,256	1/3.	/1984	CHRISTENSEN et al.			428.	347
8H	4,426,347	1/1	7/1984	CORNELL et al.	ĺ		264	224
874	4,482,586	11/	13/1984	SMITH et al.		NO	V41230 2	00125
SH SH	4,489,859	12/	25/1984	VOM HOFE et al.		=3/	222.	183
SH	4,497,856	2/5	/1985	IWASAWA et al.		11 6	428	36.4
SH	4,514,446	4/3	0/1985	KADONO et al.			428	35,3
874	4,526,821	7/2	/1985	McHENRY et al.			428	36.7
871	4,533,576	8/6	/1985	TANAHASHI et al.			420	220
84	4,552,791	11/	/12/1985	HAHN			428	35.7
814	4,560,723	12/	/24/1985	MILLET et al.			524	486
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01/	DOCUMENT NUMBER	111	/2/1994	Great Britain			1	
874	2,277,476	+	2/1991	Japan				
SH -	3-162252	+	31/1988	Japan				
S-14 (ABS)	63-210142 OTHER DOCUMENTS (Ir				s. etc.)		<u> </u>	
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EXAMINER INITIAL	DOCUMENT NUMBER	DA		NAME			CLASS	SUB CLASS			
877	4,560,741	12/24/1	1985	DAVIS et al.			528	302			
871	4,573,854	3/4/198	86	McFARLAND			414	462			
87+	4,617,077	10/14/1	1986	GIESE et al.	[]		-1.56	245			
87+	4,643,924	2/17/19	987	UKEN et al.	<u>.</u>	ر, د	428	35.7			
82+	4,657,133	4/14/19	987	KOMATSU et al.	N	10V 1	. \$\) \$(Ka)	204			
874	4,659,408	4/21/19	987	REDDING	- Ni		21.5.6	7461			
SH	4,663,426	5/5/198	87	WICKER, Jr. et al.	U)	528	190			
84	4,683,702	8/4/198	87	VIS			53	433			
874	4,685,591	8/11/19	987	SCHAEFER et al.			222	107			
814	4,698,247	10/6/19	987	MURRAY et al.			428	35,2			
SH	4,701,290	10/20/1	1987	ESCHWEY et al.			264	40.1			
84	4,705,708	11/10/1	1987	BRIGGS et al.			428	36,7			
824	4,713,266	12/15/1	1987	HASEGAWA et al.			427	412,5			
84	4,713,270	12/15/1		JABARIN et al.			428	36.6			
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87+	4,713,296	12/15	/1987	AOYAMA et al.		428	412				
87+	4,720,513	1/19/1	1988	KAMEYAMA et al.		523	203				
87+	4,724,177	2/9/19	988	RUSSO	F	4,2,8	36.6				
87	4,728,549	3/1/19	988	SHIMIZU et al.	i	428	36.6)				
874	4,730,726	3/15/1	1988	HOLZWARTH	N.	300	202104				
8H	4,731,266	3/15/1	1988	BONNEBAT et al.		428	36.6				
8H	4,731,268	3/15/1	1988	MURRAY, Jr. et al.		428	3012				
84	4,752,428	6/21/1	1988	WILLIAMS et al.		264	83				
PH	4,756,422	7/12/1	1988	KRISTEN		206	524.8				
871	4,764,405	8/16/1	1988	BAUMAN et al.		428	36.6				
87+	4,777,085	10/11	/1988	MURRAY, Jr. et al.		428	353				
871	4,809,876	3/7/19	989	TOMASWICK et al.		220	62.12				
84	4,830,810	5/16/1	1989	UFER et al.		264	40-1				
84	4,869,859	9/26/	1989	ESCHWEY et al.		264	83				
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874	4,880,675	11/	14/1989	мента			428	35.7		
874	4,894,267	1/1	6/1990	BETTLE, III et al.	IT ·	1	428	37.7		
827	4,948,641	8/1	4/1990	SHANTZ et al.	الله الله		428	35.7		
84	4,948,642	8/14	4/1990	SHANTZ et al.	N	۷٠.	428	35.7		
871	4,960,639	10/2	2/1990	ODA et al.			428	34.5		
874	4,977,004	12/	11/1990	BETTLE, III et al.	G)	428	36.7		
8H	4,999,229	3/1:	2/1991	MORITANI et al.			428	36.6		
84	5,016,784	5/2	1/1991	BATSON			222	386		
8H	5,039,565	8/13	3/1991	DEYRUP			428	35.7		
871	5,073,231	12/	17/1991	ESCHWEY et al.			156	58'		
84	5,085,904	2/4/	1992	DEAK et al.			428	35.7		
814	5,094,806	3/10	0/1992	LAUGHNER			264	523		
874	5,129,519	7/14	4/1992	DAVID et al.			206	523		
814	5,147,724	9/1:	5/1992	ESCHWEY et al.			428	409		
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S186,991 2161993 SAMUEL et al. 12.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 8 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 14.8 3.5 3	EXAMINER	DOCUMENT NUMBER	I	DATE	NAME		CLASS	CLASS			
State	814	5,185,189	2/9/	1993	STENGER et al.		428	34.8			
### 5,213,734		5,186,991	2/16	/1993	SAMUEL et al.	=, 1 &	428	35.8			
State		5,213,734	5/25	/1993	MASSON et al.	ا الله الله الله الله الله الله الله ال	264	8-3			
Start	874	5,244,615	9/14	/1993	HOBBS	NOV	1036 241	1183			
System		5,246,751	9/21	/1993	WHITE et al.	=70	428	35.4			
Start S.259,835		5,257,491	11/2	/1993	ROUYER et al.	نا ت	53	428			
Pt		5,259,835	11/9	/1993	CLARK et al.		602				
Signature Sign		5,292,466	3/8/	1994	VAN BONN et al.		264	83			
Signature Sign	SH	5,328,687	7/12	/1994	LEUNG et al.		424	78-35			
SH 5,401,451 3/28/1995 MEIXNER et al. 264 83 SH 5,405,880 4/11/1995 KIMURA et al. 523 126 SH 5,433,984 7/18/1995 ILENDA et al. 428 36.6 SH 5,439,953 8/8/1995 RITTER et al. 524 47 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER DATE CONSIDERED O// // D2 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation if not in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation in the conformance with M.P.E.P. 609; draw line through citation considered wi		5,362,531	11/8	/1994	SAMUEL et al.		428				
5,433,984 5,433,984 7/18/1995 RITTER et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) EXAMINER DATE CONSIDERED O// 1 / 02 Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not it		5,401,451	3/28	/1995	MEIXNER et al.		264				
State	PH	5,405,880	4/11	/1995	KIMURA et al.		523	126			
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874	5,447,667	9/5/1	995	MASSON		264	83				
374	5,512,337	4/30/	1996	LITTMANN et al.	ا د يا الا	428	35)4				
SH	5,514,371	5/7/1	996	LEUNG et al.	NOV	14247	78.35				
174	5,514,372	5/7/1	996	LEUNG et al.		424	78.35				
n+	5,518,792	5/21/	1996	MASUDA et al.		428	36-6				
PH	5,565,160	10/1:	5/1996	MAKUUCHI et al.		264	485				
84	5,567,371	10/2	2/1996	KARSCH		264	83				
874	5,573,819	11/13	2/1996	NUGENT, Jr. et al.		428'	34.8				
SH	5,575,997	11/19	9/1996	LEUNG et al.		424	78.35				
874	5,582,834	12/10	0/1996	LEUNG et al.		424	426				
P)+	5,604,042	2/18/	/1997	BIANCHINI et al.		428	50)				
PH	5,624,669	4/29/	/1997	LEUNG et al.	·	424	78,35				
PH	5,629,059	5/13/	/1997	DESAI et al.		428	34.9				
84	5,637,365	6/10/	/1997	CARLBLOM		1428	35.9				
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Form PTO-1449 (REV. 8-83)	US Dept. of Commerc PATENT & TRADEMARK OFFIC	US Dept. of Commerce PATENT & TRADEMARK OFFICE				APPLICATION NO. 09/430,289				
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EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME		CLASS	SUB CLASS			
87+	5,651,460	7/2	9/1997	FOERDERER		206	447			
877	5,654,054	8/5/	/1997	TROPSHA et al.		4.28	366			
87+	5,679,145	10/	21/1997	ANDERSEN et al.	المالية المالية	106	1625			
Γ <i>7</i> +	5,679,287	10/:	21/1997	MAZAC et al.	NO	1215322	10399			
SH	5,681,629	10/	28/1997	WOUTERS et al.	E 1.7	4.28	366			
87+	5,683,772	11/4	4/1997	DERRIEU et al.	۔ لا	2428	36.4			
MH	5,691,016	11/2	25/1997	HOBBS		428	35.7			
874	5,693,283	12/	2/1997	FEHN		264	513			
17H	5,709,827	1/2	0/1998	ANDERSEN et al.		264	42			
871	5,716,715	2/1	0/1998	DEGRASSI et al.		428	475.8			
87+	5,721,027	2/2	4/1998	FRISK et al.		428	3\$,4			
874	5,725,715	3/1	0/1998	MAKUUCHI et al.		156	275.5			
87+	5,730,919	3/2	4/1998	WILFONG et al.		264	173.11			
874	5,741,566	4/2	1/1998	HOGSTROM et al.		428	35.2			
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INITIAL		DOCUMENT NUMBER	ļ	DATE	NAME			CLASS	CLASS		
874		5,743,401	4/2	8/1998	TAKAHASHI			206	447		
PH		5,770,135	6/2	3/1998	HOBBS et al.	 	<u></u>	264	83'		
84		5,804,744	9/8	/1998	TAN et al.	о u		73	864.34		
M		5,827,587	10/	27/1998	FUKUSHI	NC	V 1	J 2201	36.6		
824		5,855,977	1/5	/1999	FUKUSHI et al.	e	<u>~</u>	422	13)		
877		5,928,611	7/2	7/1999	LEUNG		2	422	13)		
874		Re. 34,537	2/8	/1994	DEYRUP			428	35.7		
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